

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1178847

Luminaire Tested: LDA2B109024R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B109024R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

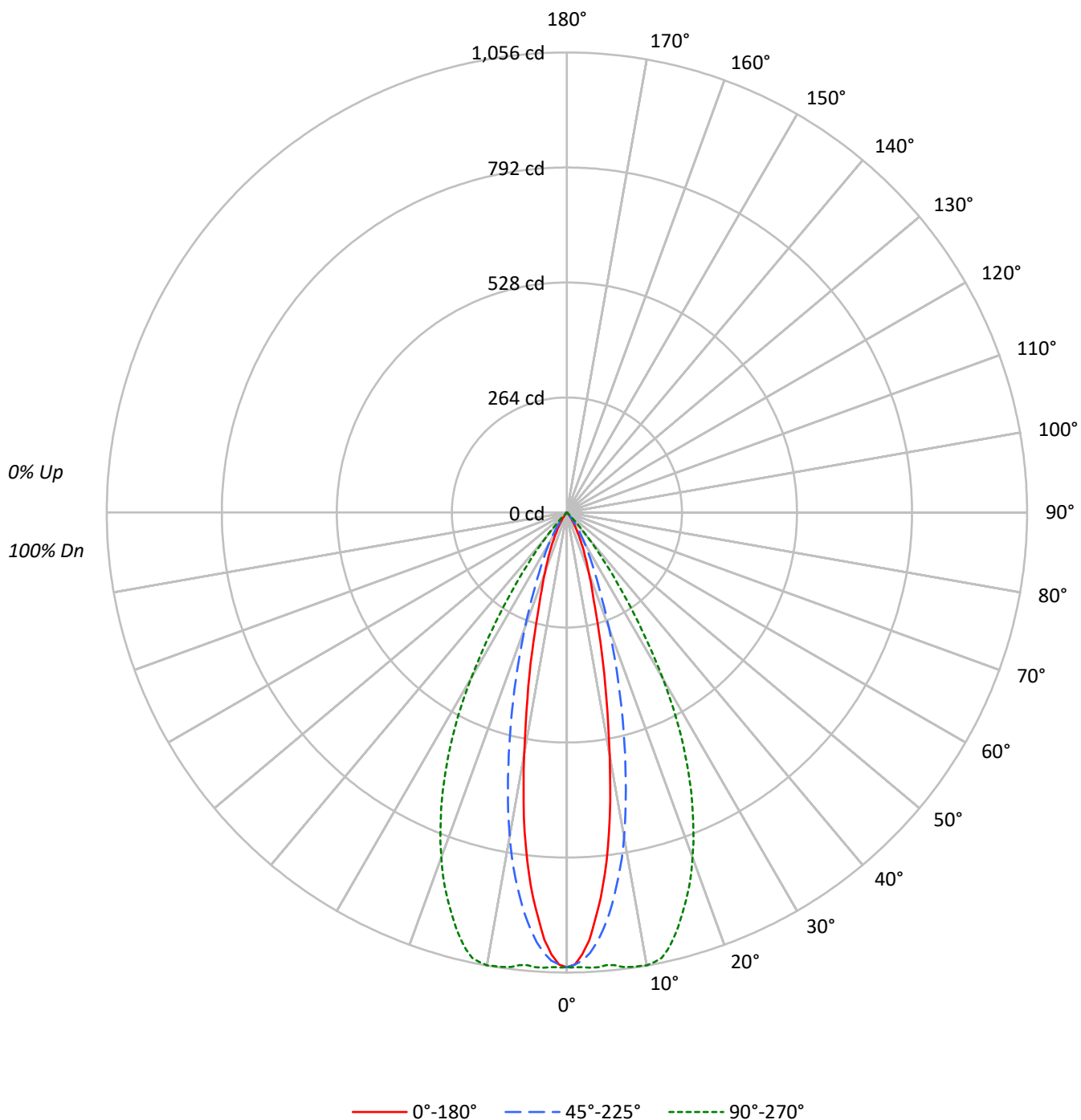
Lumens per Lamp: N/A
Luminaire Lumens: 415.8 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	515020	515020	515020
5°	439779	475387	516443
10°	283150	378986	528777
15°	145262	252778	503206
20°	77546	147689	442596
25°	43223	81001	359988
30°	23072	46144	250775
35°	10058	22224	130756
40°	2963	6505	49527
45°	698	1744	7396
50°	384	384	768
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	20.7
10°-20°	156.8	37.7
20°-30°	118.9	28.6
30°-40°	47.6	11.4
40°-50°	4.8	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	361.9	87.0
0°-40°	409.4	98.5
0°-60°	414.8	99.8
0°-90°	415.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	888	908	960	1016	1043	74
15°	284	330	495	815	985	81
25°	79	93	149	425	661	38
35°	17	21	37	112	217	12
45°	1	2	2	5	11	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1043.9	1043.9	1043.9	1043.9	1043.9
1°	1038.3	1038.8	1037.8	1039.3	1044.4
2°	1015.0	1022.6	1029.2	1035.8	1044.4
3°	982.6	991.7	1012.5	1033.2	1046.4
4°	935.1	953.8	989.2	1027.2	1046.4
5°	888.0	907.7	959.9	1015.5	1042.8
6°	834.4	862.7	926.0	1004.4	1044.9
7°	773.7	808.6	888.5	997.3	1050.9
8°	707.9	747.3	847.5	982.1	1053.5
9°	635.0	683.1	804.0	963.9	1054.5
10°	565.2	615.8	756.5	943.2	1055.5
11°	495.4	548.0	704.8	922.9	1051.4
12°	436.2	486.3	650.7	901.7	1045.4
13°	381.5	430.1	597.1	876.4	1029.7
14°	330.9	378.5	545.5	847.0	1008.9
15°	284.4	329.9	494.9	814.6	985.2
16°	242.4	284.9	446.3	778.7	958.9
17°	212.0	245.9	400.7	740.8	933.0
18°	188.2	213.5	357.7	703.3	905.7
19°	167.0	187.2	317.8	664.4	875.4
20°	147.7	166.0	281.3	623.9	843.0
21°	131.6	147.2	247.4	583.9	810.1
22°	117.4	131.1	217.1	544.4	774.2
23°	104.2	116.4	191.3	504.5	738.2
24°	91.6	104.7	168.5	464.0	700.8
25°	79.4	92.6	148.8	425.0	661.3
26°	69.8	82.0	132.1	387.1	620.3
27°	60.2	72.9	117.4	350.7	578.9
28°	52.6	64.3	104.2	315.7	533.8
29°	45.5	56.7	92.1	281.3	487.8
30°	40.5	49.1	81.0	248.9	440.2
32.5°	27.8	32.9	56.7	175.1	321.3
35°	16.7	20.7	36.9	112.3	217.1
37.5°	9.1	11.1	21.3	67.3	136.6
40°	4.6	5.6	10.1	32.9	76.9
42.5°	2.0	2.5	4.6	12.6	32.9
45°	1.0	1.5	2.5	5.1	10.6
47.5°	0.5	1.0	1.0	2.0	3.0
50°	0.5	0.5	0.5	1.0	1.0
52.5°	0.5	0.5	0.5	1.0	1.0
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)